



"Wallin, Sharon"
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10/05/2006 03:11 PM

To: LParnass@dtsc.ca.gov
cc: edm@demaximis.com, Christopher
Lichens/R9/USEPA/US@EPA
bcc:
Subject: FW: Submittal of Indoor Air Quality Sampling Results

Hi Lori - my apologies, I forgot to include you in the original cc list.

Regards, Sharon

-----Original Message-----

From: Wallin, Sharon
Sent: Thursday, October 05, 2006 3:05 PM
To: lichens.christopher@epamail.epa.gov
Cc: TomPerina (tperina@ch2m.com); edm@demaximis.com; Chamberlin, David
Subject: Submittal of Indoor Air Quality Sampling Results

Hi Chris - the indoor air analytical results for samples collected September 8th from LA Carts, Bishop, Oncology Care, and Medlin North are provided in the attached memo. Please refer to Ed Modiano's October 4th (11:22 a.m.) e-mail regarding submittal of the aquifer/pilot testing results, which will be discussed during tomorrow's teleconference. If you have any questions, please feel free to contact me or Ed.

Regards, Sharon



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Memorandum

To: Ed Modiano – de maximis

From: Sharon Wallin and Dave Chamberlin, CDM

Date: October 5, 2006

*Subject: Results of September 2006 Indoor Air and Ambient Air Sampling
Results for the Bishop, LA Carts, Medlin North, and Oncology Care
Facilities*

This memorandum provides, in the attached table, the results of the subject indoor and ambient air sampling event.

Summary of Sampling Effort

On September 8, 2006, pursuant to the May 15, 2006 request by EPA, CDM conducted a sampling event at the Bishop Company, LA Carts, Medlin North, and Oncology Care facilities to evaluate the potential presence of volatile organic chemicals (VOCs) in indoor air at facilities near the Omega site. A total of 12 samples (9 indoor air samples, 1 duplicate indoor air sample, and 2 ambient air samples) were collected over an 8-hour period and analyzed for VOCs by the TO15-SIM analytical method.

Samples were collected as follows pursuant to direction from EPA:

- **LA Carts** – 3 interior samples (office and the large and small fabrication areas);
- **Oncology Care** – 2 interior samples (administration office and nurses station) and 1 rooftop ambient air sample;
- **Bishop Co.** – 4 interior samples from three locations (office, the interior store, and the warehouse interior with a duplicate sample taken at the office), and 1 ground-level ambient air sample from the rear of the property;
- **Medlin & Son** – 1 sample from the building interior.



Ed Modiano
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Analytical Results

The attached table presents the analytical results for the 12 samples. In brief, the results show lower levels of VOCs than previously observed in the two buildings closest to the Omega property (Skateland and Terra Pave). The two ambient air samples are shown in Table 1 as the Exterior Fence sample at Bishop Co. and the Rooftop sample at the Oncology Care clinic. Several VOCs (both chlorinated and aromatic) and CFCs were detected in both ambient air samples. A complete analysis of these data will be provided in the Remedial Investigation (RI) and Risk Assessment (RA) Reports.

It is the understanding of CDM that these data represent the conclusion of all RI sampling activities. Based on the receipt of these data on September 30, both the RI and RA reports are due in 90 days from this date. Because this submittal deadline falls between Christmas and New Years, we request that the deadline for these documents to be submitted to USEPA be January 5, 2007.

Omega Chemical Superfund Site
Volatile Organic Compounds (VOCs) Analytical Summary
Indoor Air Analytical Results

Sample Location	Sample Date	Sample Type	PCE	TCE	1,1,1-TCA	1,1-DCE	1,2-DCE	CTC	CFM	MC	1,4-DCB	Freon 11	Freon 113	Freon 12	Acetone	Benzene	Toluene	Ethyl benzene	m,p-Xylenes	o-Xylene	MTBE
Bishop																					
Admin Office																					
	09/08/06	ORIG	9.3	0.5	0.34 U	5.3	0.25 U	0.57	0.3 U	2.2 U	0.37 U	2.3	3.9	3.1	64	1.2	6.5	0.72	2.4	0.93	1.1 U
	09/08/06	DUP	11	0.56	0.16 U	5.8	0.12 U	0.58	0.15	1 J	0.32	2.4	4	2.9	18	1.1	7.7	0.9	3	1.1	0.54 U
Exterior Fence																					
	09/08/06	ORIG	0.66	0.18 U	0.19 U	0.56	0.14 U	0.57	0.17 U	1.2 U	0.2 U	1.8	1.5	3	38	1	16	0.68	2	0.74	0.62 U
Interior Store																					
	09/08/06	ORIG	29	1.5	0.19	14	0.13 U	0.51	0.18	1.7	0.21	3.7	10	2.7	28	1.2	8.4	1.7	4.9	1.7	0.67
Warehouse																					
	09/08/06	ORIG	7.1	0.44	0.18 U	3.6	0.13 U	0.54	0.16 U	1.1 U	0.19 U	2.2	3.4	2.9	31	1.2	6.9	1	3.7	1.4	0.58 U
LA Carts																					
Admin Office																					
	09/08/06	ORIG	0.24	1.2	0.15 U	0.06	0.11 U	0.5	0.14	5.2	0.16	1.5	0.7	2.6	74 E	1.6	10	1.2	4.5	1.7	0.48 U
Large Production Room																					
	09/08/06	ORIG	1.6	0.38 U	0.39 U	2.5	0.29 U	0.52	0.37	5.9	0.43 U	2.9	8.7	3.2	480 E	2.2	210	2	7.3	2.6	1.3 U
Small Production Room																					
	09/08/06	ORIG	1.1 U	0.88 U	0.89 U	3.6	0.66 U	1 U	0.8 U	5.7 U	0.99 U	3.2	14	2.9	1200 E	1.3	570	0.95	2.9	1	3 U
Medlin North																					
Building Interior																					
	09/08/06	ORIG	1.6 U	1.3 U	1.3 U	0.47 U	0.96 U	1.5 U	1.2 U	8.3 U	1.4 U	1.6	1.9	2.6	430	1.9 U	2.8	1 U	2.1 U	1 U	4.3 U
Oncology Care																					
Admin Office																					
	09/08/06	ORIG	0.43 U	0.34 U	0.34 U	0.2	0.26 U	0.52	0.66	2.2 U	0.38 U	1.7	1.2	2.9	95	1.2	16	1	3	1.2	1.1 U
Nurses Station																					
	09/08/06	ORIG	0.44	0.35 U	0.35 U	0.23	0.32	0.5	0.57	2.2 U	0.39	1.8	1.6	3.4	99	1.1	17	0.94	3.1	1.3	1.2 U
Rooftop																					
	09/08/06	ORIG	0.32	0.19 U	0.19 U	0.069 U	0.14 U	0.53	0.17 U	1.2 U	0.21 U	1.6	0.74	2.7	38	1.2	4.4	0.87	2.9	1.1	0.63 U

Notes:

Concentrations are reported in micrograms per cubic meter (ug/m3)
Only compounds detected in one or more air samples more than once are shown.
VOCs analyzed by EPA Method TO-15 SIM.

U = Not detected at a concentration greater than the reporting limit shown.
J = Detected at an estimated concentration between the laboratory reporting and method detection limits.
E = Estimated concentration - exceeds upper calibration range of instrument.

PCE = Tetrachloroethene; TCE = Trichloroethene; TCA = Trichloroethane; DCE = Dichloroethene; CTC = Carbon tetrachloride; CFM = Chloroform; MC = Methylene chloride; DCB = Dichlorobenzene; Freon 11 = Trichlorofluoromethane; Freon 113 = 1,1,2-Trichloro-1,2,2-trifluoroethane; Freon 12 = Dichlorodifluoromethane; MTBE = Methyl tert-butyl ether.

Sample Type:
ORIG = Original sample
DUP = Duplicate sample